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<b>SUPPLEMENTAL</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	Application Number		10781951
	Filing Date		2004-02-18
	First Named Inventor	J. Walton	
	Art Unit	2416	
	Examiner Name	ALIA, CURTIS A	
	Attorney Docket Number	040235	

**U.S.PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	6198775		2001-03-06	Khayrallah et al.	
	2	6314147		2001-11-06	Liang, et al.	
	3	6486828		2002-11-26	Cahn, et al.	
	4	6711124		2004-03-23	Khayrallah et al.	
	5	6711528		2004-03-23	Dishman, et al.	
	6	6788661		2004-09-07	Ylitalo, et al.	
	7	6801790		2004-10-05	Rudrapatna	
	8	6816555		2004-11-09	Sakoda	

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	9	6862271		2005-03-01	Medvedev, et al.	
	10	6940917		2005-09-06	Menon, et al.	
	11	6982946		2006-01-03	Wiberg, et al.	
	12	7020490		2006-03-28	Khatri	
	13	7079870		2006-07-18	Vaidyanathan	
	14	7194042		2007-03-20	Walton, et al.	
	15	7200631		2007-04-03	Mailaender, et al.	
	16	7227906		2007-06-05	Fukuda, et al.	
	17	7359466		2008-04-15	Huang, et al.	
	18	7447268		2008-11-04	Sadowsky, et al.	

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	1	1220506	EP		2002-07-03	Kabushiki Kaisha Toshiba		<input type="checkbox"/>
	2	1396956	EP		2004-03-10	Mitsubishi Electric Info. Technology Centre		<input type="checkbox"/>
	3	2111619	RU		1998-05-20	Kvehlkomm Inkorporejted		<input type="checkbox"/>
	4	2116698	RU		1998-07-27	Fuba Automotive Gmbkh		<input type="checkbox"/>
	5	02078211	WO		2002-10-03	Qualcomm Incorporated		<input type="checkbox"/>
	6	04038984	WO		2004-05-06	Qualcomm Incorporated		<input type="checkbox"/>
	7	04038985	WO		2004-05-06	Qualcomm Incorporated		<input type="checkbox"/>

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#### NON-PATENT LITERATURE DOCUMENTS

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	1	WRITTEN OPINION-PCT/US05/005261, INTERNATIONAL SEARCH AUTHORITY-EUROPEAN PATENT OFFICE, 6/16/05	<input type="checkbox"/>
	2	INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY-PCT/US05/005261, INTERNATIONAL PRELIMINARY EXAMINATION AUTHORITY-ALEXANDRIA, VIRGINIA, US, 09/30/06	<input type="checkbox"/>

<b>SUPPLEMENTAL</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	Application Number		10781951
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3	AGUSTIN ET AL., "LDC CONSTRUCTION WITH A DEFINED STRUCTURE,"VEHICULAR TECHNOLOGY CONFERENCE, XP010700754, OCTOBER (2003)	<input type="checkbox"/>
4	B.M HOCHWALD ET AL., "SYSTEMATIC DESIGN OF UNITARY SPACE-TIME CONSTELLATIONS,"IEEE TRANS. ON IT,VOL.46, NO.6, SEPTEMEBR 2000.	<input type="checkbox"/>
5	CROW, I.: "The Fourier Matrix," 4/27/01, <a href="http://www.maths.abdn.ac.uk/~igc/tch/mx4002/notes/node91.html">http://www.maths.abdn.ac.uk/~igc/tch/mx4002/notes/node91.html</a> , pages 1-3	<input type="checkbox"/>
6	DAMMANN, et al., "Beamforming in Combination with Space-Time Diversity for Broadband OFDM Systems," IEEE International Conference on Communications, 2002. ICC 2002. New York, NY, April 28-May 2, 2002, Vol. 1, pp. 165-171.	<input type="checkbox"/>
7	KAISER, "Spatial Transmit Diversity Techniques for Broadband OFDM Systems," IEEE Global Telecommunications Conference, 2000. GLOBECOM '00. San Francisco, CA, Nov. 27-Dec. 1, 2000, Vol. 3, pp. 1824-1828.	<input type="checkbox"/>
8	NARULA, et al., "Performance Limits of Coded Diversity Methods for Transmitter Antenna Arrays," IEEE Transactions on Information Theory, Vol. 45, No. 7, Nov. 1999, pp. 2418-2433.	<input type="checkbox"/>
9	PAN, et al., "Dynamic Sub-channel Allocation with Adaptive Beamforming for Broadband OFDM Wireless Systems," IEEE Global Telecommunications Conference, 2002. GLOBECOM '02. Taipei, Taiwan, Nov. 17-21, 2002, New York, NY, Nov. 17, 2002, Vol. 1, pp. 711-715.	<input type="checkbox"/>
10	T.L. MARZETTA, B. HASSIBI, B.M HOCHWALD, "STRUCTURED UNITARY SPACE-TIME AUTOCODING CONSTELLATIONS,"IEEE TRANS. ON IT,VOL.48, NO.4, APRIL 2002.	<input type="checkbox"/>
11	IEEE Std. 802.11a-1999, Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications, Amendment 1: High-Speed Physical Layer in the 5 GHz Band	<input type="checkbox"/>
12	IEEE Std. 802.11g-2003, Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications, Amendment 4: Further Higher Data Rate Extension in the 2.4 GHz Band	<input type="checkbox"/>

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